

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for managing an audio system volume in a vehicle, the method comprising:

detecting, wirelessly, a radio frequency transmission having a selected frequency through a vehicle integrated sensor, wherein the selected frequency is indicative of ~~an incoming call to be received by a mobile telecommunications device~~ communicating with a base transceiver station; within the vehicle; and

responsive to detecting the radio frequency transmission, determining, by the vehicle integrated sensor, whether a signal strength of the radio frequency transmission is greater than a predetermined threshold level, wherein the predetermined threshold level indicates that the mobile telecommunications device is located within the vehicle; reducing the audio system volume; until an absence of the radio frequency transmission occurs indicating that the call has terminated.

responsive to a determination that the signal strength of the radio frequency transmission is greater than the predetermined threshold level, reducing, by a controller, the audio system volume;

monitoring, by the vehicle integrated sensor, the radio frequency transmission to form a monitored transmission;

determining, by the vehicle integrated sensor, that a call has ended based on the monitored transmission; and

responsive to determining that the call has ended, restoring, by the controller, the audio system volume to a prior setting.

2. (Original) The method of claim 1, wherein the mobile telecommunications device is a global system for a mobile communications phone.

3. (Original) The method of claim 1, wherein the selected frequency has a range from about 890 MHz to about 960 MHz.

4. (Original) The method of claim 1, wherein the audio system volume is reduced to zero decibels.

5. (Original) The method of claim 1, wherein the audio system volume is reduced to a preselected volume.
6. (Original) The method of claim 1, wherein the sensor is an antenna configured to detect radio frequency signals.
7. (Original) The method of claim 1, wherein the vehicle is an automobile.
8. (Original) The method of claim 5, wherein the preselected volume is user configurable.
- 9.-10. (Canceled)
11. (Currently Amended) The method of claim [[9]] 1, wherein the radio frequency transmission is a paging message transmitted to the mobile telecommunications device.
- 12.-13. (Canceled)
14. (Currently Amended) An apparatus for controlling an audio system volume, the apparatus comprising:
- a radio unit;
 - a vehicle integrated sensor that wirelessly detects a radio frequency transmission having a selected frequency through a sensor, wherein the selected frequency is indicative of a mobile telecommunications device communicating with a base transceiver station, monitors the radio frequency transmission to form a monitored transmission, and determines that a call has ended based on the monitored transmission; and
 - a controller connected to the radio unit and the sensor, wherein the controller sends a signal to the radio unit to reduce volume ~~when an indication is received from the sensor that a radio frequency signal indicating an incoming call to be received by a mobile phone has been detected wirelessly, and wherein,~~ responsive to determining that the call has ended, the controller sends a signal to the radio unit to restore the volume to a prior setting, remains reduced until the radio frequency signal is absent indicating that the call has terminated.

15. (Currently Amended) A data processing system for managing an audio system volume in a vehicle, the data processing system comprising:

a bus;

a vehicle integrated sensor connected to the bus that wirelessly detects a radio frequency transmission having a selected frequency through a sensor, wherein the selected frequency is indicative of a mobile telecommunications device communicating with a base transceiver station, monitors the radio frequency transmission to form a monitored transmission, and determines that a call has ended based on the monitored transmission,

a storage device connected to the bus, wherein the storage device contains computer usable code;
and

a processing unit connected to the bus, wherein the processing unit executes the computer usable code to send a signal to a radio unit to reduce volume and, responsive to determining that the call has ended, send a signal to the radio unit to restore the volume to a prior setting.

~~wireless detecting means for detecting, wirelessly, a radio frequency transmission having a selected frequency through a sensor, wherein the selected frequency is indicative of an incoming call to be received by a mobile telecommunications device within the vehicle; and~~

~~reducing means, responsive to detecting the radio frequency transmission, for reducing the audio system volume; , until an absence of the radio frequency transmission occurs indicating that the call has terminated.~~

16. (Original) The data processing system of claim 15, wherein the mobile telecommunications device is a global system for a mobile communications phone.

17. (Original) The data processing system of claim 15, wherein the selected frequency has a range from about 890 MHz to about 960 MHz.

18. (Original) The data processing system of 15, wherein the data processing system is a computing platform for a vehicle.

19. (Original) The data processing system of claim 15, wherein the audio system volume is reduced to a preselected volume.

20. (Currently Amended) The data processing system of claim 19, wherein the preselected volume is ~~used or configured~~ user configurable.